

BAYSHORE

A large recycling symbol, consisting of three chasing arrows forming a triangle, is positioned between the words "BAYSHORE" and "RE".

M_{ONT}TECALVO

Material Recovery Facility
Recover, Reuse, Recycle

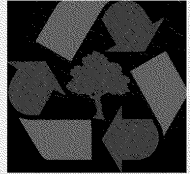


- One of New Jersey's Largest Approved Recyclers!
- Permitted to Process Over 10,000 Tons Per Day of Secondary Materials
- Superior Access Via Road, Rail and Barge
- Operate a 52 Acre Site in Keasbey, NJ
- 30 Years Experience in Construction and Materials Processing



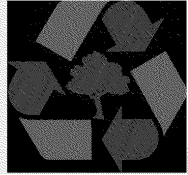
- Class B (concrete, asphalt, brick block)
Recycling: 3,000 TPD;
- Petroleum Contaminated Soils: 2,500 TPD;
- Materials Recovery Facility: 1,000 TPD;
- Scrap Metal Recycling;
- Dredge Material Processing;
- 1,000 TPD of Class A Materials;
- Consumer Electronics Large Quantity Handler

Passaic River Demonstration



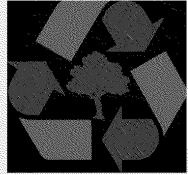
- Part of “Remediation Strategies Platform” Full Scale Demonstration: USEPA in 2005 - 2006
- Worked with USEPA, USDOE, NJDEP, NJDOT Maritime Resources, Brookhaven National Labs, Rutgers University & Montclair University
- Acquired & designed an “ore-carrier ship” to serve as an innovative floating storage vessel for Passaic River material – 730’ Valgocen
- Designed a deck barge configuration for ship mooring and operations
- Employed customized screening
- Innovative pumping methods to process material

NJDOT Project Goals



- Contained storage of large quantities of dredge material
- Effective transfer from storage to treatment
- Safe storage and controlled processing of heavily contaminated dredge material
- Commitment to environmental protection and regulatory compliance
- R&D platform fostered throughout project

Demonstration Project Results



- Successful in-vessel storage accomplished
- Ability to effectively “pump” dredge material from storage to treatment;
- Superior logistical infrastructure: barge – ship – rail – highway;
- Concept of a Regional Dredge Materials Processing Facility was sufficiently demonstrated;
- Environmentally friendly host municipality that embraces recycling, remediation and renewable energy technologies
- Platform of all infrastructure remains in place to date.



FOIA_06476_0000671_0007

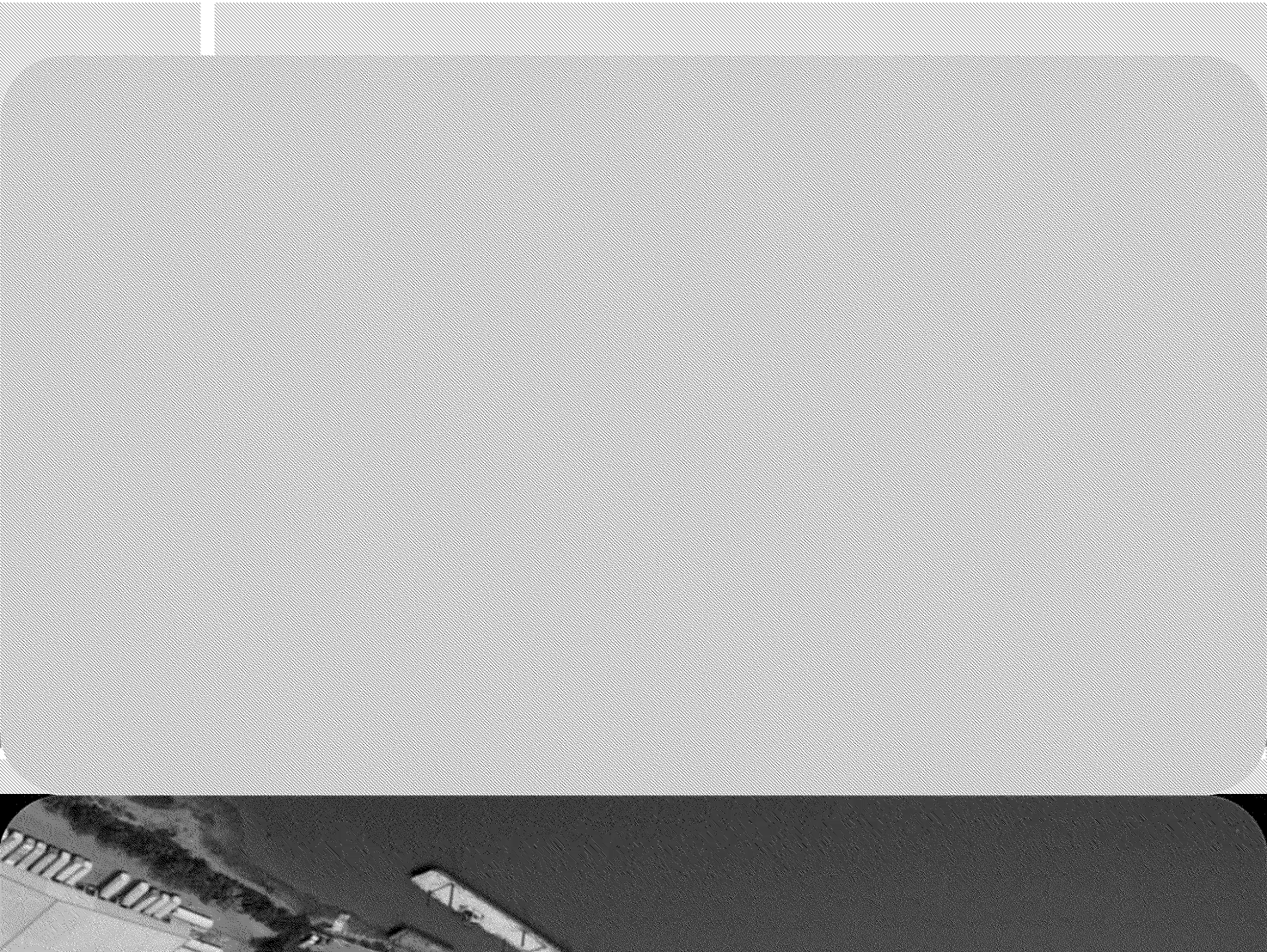


FOIA_06476_0000671_0008



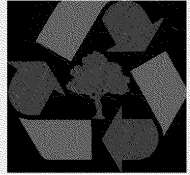
FOIA_06476_0000671_0009





FOIA_06476_0000671_0011

Advances in Dredging & Contaminated Dredge Management



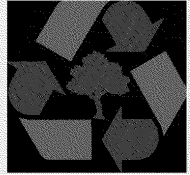
- Environmental Dredge Pilot Study: Lower Passaic – December 5 – 10, 2005
- Pilot Study Objectives to Evaluate:
 - Equipment performance as a function of productivity;
 - Accuracy (achieving targeted dredge depth and cut lines);
 - Turbidity levels and operational controls;
 - Monitoring & sediment re-suspension.





FOIA_06476_0000671_0013

Passaic River Clean-up Objectives

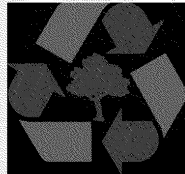


- Remediate contaminated sediments
- Improve water quality
- Restore degraded shorelines
- Restore and create new habitat

Dynamic Process: Pilot study
Phase I in design, Phase II
pre-design



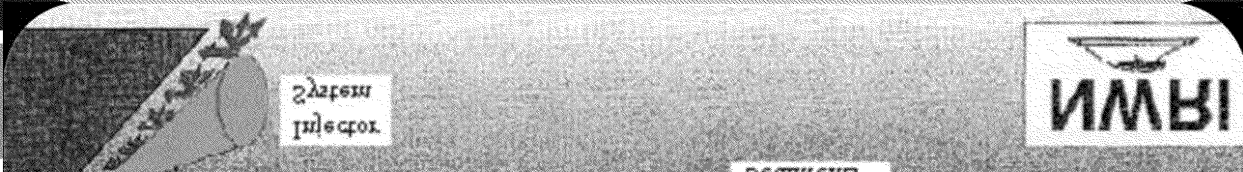
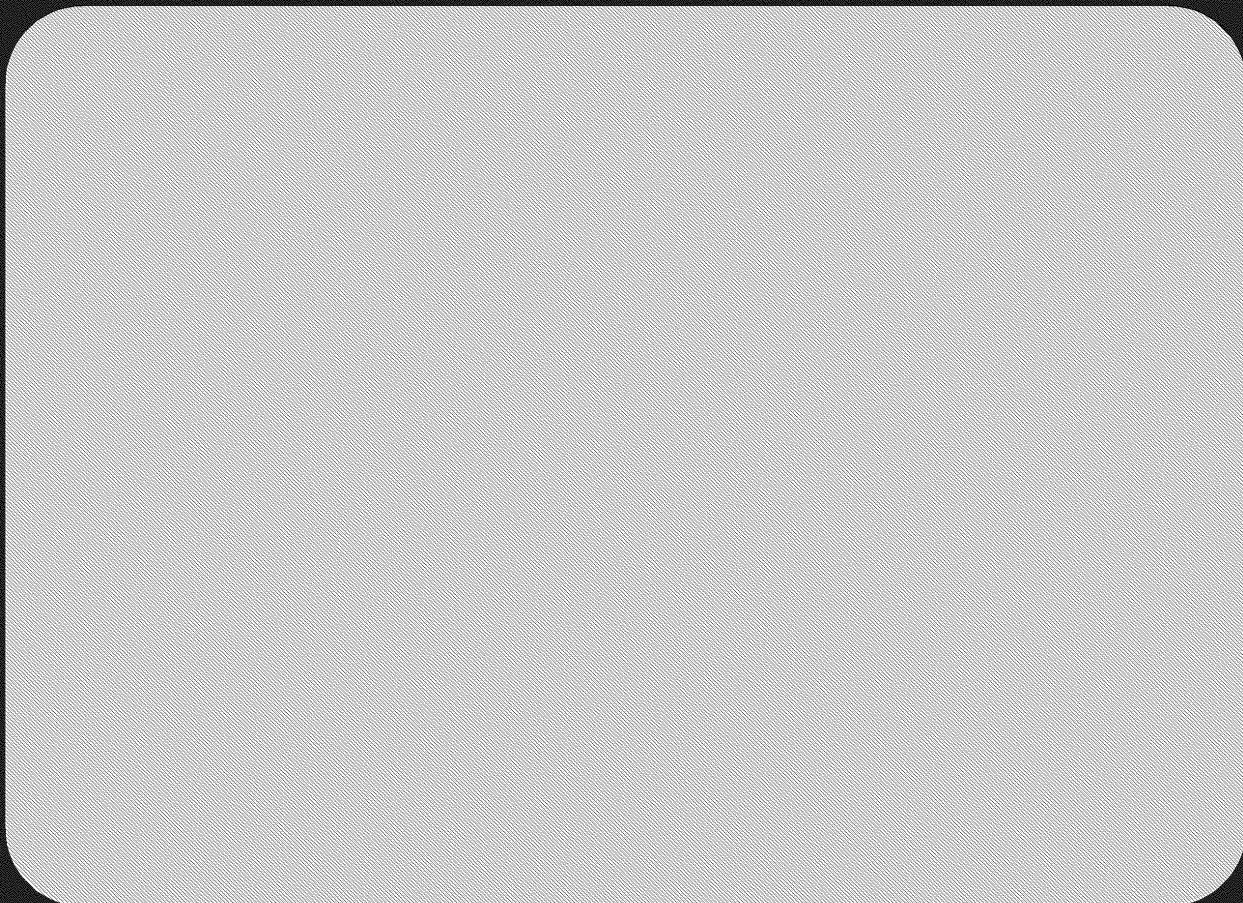
Where Are We Now???



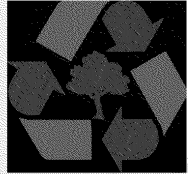
- Dredging techniques & sediment management have advanced considerably within the US and Internationally

■ EPA/USACOE –
Innovative Technology



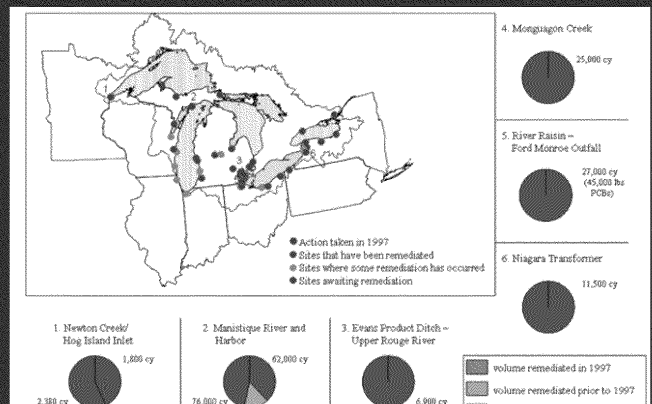


Great Lakes Legacy Act



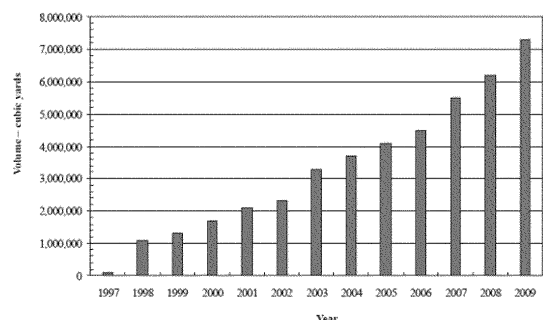
Signed by President George W. Bush in 2002 – provided \$270 Million to study & clean-up contaminated sediments in the Great Lakes

“Using an innovative approach, technology, or technique that may provide greater environmental benefits or equivalent environmental benefits at a reduced cost.”

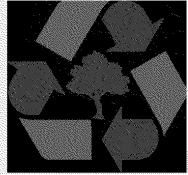


CUMULATIVE VOLUME OF SEDIMENT REMEDIATED IN THE U.S. GREAT LAKES BASIN SINCE 1997*

*Volumes in bar graph are quantitative estimates as reported by project managers, rounded, and then rounded to the nearest one hundred thousand cubic yards. Data collection and reporting efforts are described in the "Great Lakes Sediment Remediation Project Summary Report" Quality Assurance Project Plan (GLSDPO, June 2003). Detailed project information is available upon request from project managers.



Major Projects Underway in US



- General Electric Hudson River PCB Clean-up
- Fox River PCB Clean-up
- New Bedford Harbor Clean-up
- Miami River
- Alcoa Grasse River Clean-up in NY
- Onondaga Lake Project in New York

